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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.	
09/835,979	04/16/2001	Michael McClary	04906.P076	7544	
8791	7590 12/31/2002				
BLAKELY SOKOLOFF TAYLOR & ZAFMAN 12400 WILSHIRE BOULEVARD, SEVENTH FLOOR LOS ANGELES, CA 90025			EXAMINER		
			NGUYEN, BRIAN D		
			ART UNIT	PAPER NUMBER	
			2661		
				DATE MAILED: 12/31/2002	

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary    Examiner   Examiner   2681   Art Unix   2681		Application No.	Applicant(s)						
Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE of this communication appears on the cover sheet with the correspondence address - Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  If the period for reply specified above is less than thirty (30) days, is no event, however, may a reply tea limsly filed and the state 30 MONTHS from the mailing date of this communication.  If the period for reply specified above is less than thirty (30) days, is no event, however, may a reply tea limsly filed interply.  If the period for reply is appelled above is less than there mailing above the communication, and the state 30 MONTHS from the mailing date of this communication, are supplied to reply is appelled above, the mailing date of this communication, even if timely filed, may reduce any searced pathent. See 37 CFR 1.74(9).  Status  Status  Status  Status  Status  Status  Since this application is in condition for allowance except for formal matters, prosecution as to the ments is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4) Claim(s) 1.59 is/are pending in the application.  4a) Of the above claim(s)		09/835,979	MCCLARY ET AL	MCCLARY ET AL.					
The MAILING DATE of this communication appears on the cover sheet with the correspondence address → Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Edentions for time may be available under the provisions of 3 CFR 1.136(a). In so evert, however, may a trapty be timely filed after 60 K (9) MONTH'S from the mailing date of this communication. The provision of the communication of the co	Office Action Summary	Examiner	Art Unit						
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MALING DATE OF THIS COMMUNICATION.  - Exhaustions of time may be available under the provisions of 37 GPR 1.136(a). In no event, however, may a reply be limitly filled  - Exhaustions of time may be available under the provisions of 37 GPR 1.136(a). In no event, however, may a reply be limitly filled  - Exhaustions of time may be available under the provisions of 37 GPR 1.136(a). In no event, however, may a reply be limitly filled  - Exhaustion of the provisions of the provisions of 37 GPR 1.136(a). In no event, however, may a reply be limitly filled on the provisions of the proposed of the priority documents have been received in Application No.  10) The orange of the priority documents have been received in Application No.  11) Certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).  * See the attached detailed Office action for allowed provisional application not in the provisional application of the provisional application of the foreign language provisional application for Internal Patent Application (PCT0-182).    Miles of Details of		Brian D Nguyen	2661	( \sqrt{1}					
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Electromism of the many be available under the provisions of 3 CFR 1.136(a). In one event, however, may a reply be timely filled  Electromism of them may be available under the provisions of 3 CFR 1.136(a). In one event, however, may a reply be timely filled  If the period for reply specified above is less than thirty (30) days, a reply which the studency minimum of their (30) days, will be occasioned timely.  If the period for reply specified above is less than thirty (30) days, a reply which the first (30) days, will be occasioned timely.  If the period for reply specified above is less than thirty (30) days, a reply which the side of reply vision the set or externed point for reply will, by dashie, cause the application to become ASHOCANED (35 U.S.C. § 135).  Part of the set		pears on the cover she	et with the correspondence ac	Idress					
THE MAILING DATE OF THIS COMMUNICATION.  Edeminisor of the may be available under the provisions of 3 CPR 1.136(a). In or event, however, may a reply be timely filled after SIX (6) MONTHS from the resulting date of this communication.  If the protod for may passed the box is less then thing (30) days, a reply within the attainable minimum of this; (30) days, will be considered timely.  If the protod for may passed the box is less than thing (30) days, a reply within the attainable minimum of this; (30) days, will be considered timely.  If the protod for may passed the set or extended period for reply well by statute, cause the application to become ABANDONED (39 US C. § 133).  Any reply received by the Officia ent then three membras there then mailing date of his communication, even if timely filled, may reduce any searched plant term adjustment. See 37 CPR 1.704(b).  Status  1)  Responsive to communication(s) filled on the amendment filled 11/25/02.  2a)  This action is FINAL.  2b)  This action is non-final.  3)  Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.  Disposition of Claims  4)  Claim(s) 1-50 is/are pending in the application.  4a) Of the above claim(s)  is/are withdrawn from consideration.  5)  Claim(s) 32-34 is/are allowed.  6)  Claim(s) 32-34 is/are allowed.  6)  Claim(s) 3-31 and 35-50 is/are ejected.  7)  Claim(s)  are subject to restriction and/or election requirement.  Application Papers  9)  The specification is objected to by the Examiner.  10)  The drawing(s) filed on  is/are: all accepted or bl objected to by the Examiner.  11)  The proposed drawing correction filed on 25 November 2002 (S: a)  paper and bl disapproved by the Examiner.  12)  The protops of the application filed on 26 November 2002 (S: a)  paper and bl disapproved by the Examiner.  13)  Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f		Y IS SET TO EXPIRE	= 3 MONTH(S) FROM						
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Application/Control Number: 09/835,979

Art Unit: 2661

#### **DETAILED ACTION**

## Specification

- 1. Applicant is requested to fill in blanks on pare 1 of the specification.
- 2. The lengthy specification has not been checked to the extent necessary to determine the presence of all possible minor errors. Applicant's cooperation is requested in correcting any errors of which applicant may become aware in the specification.

#### Claim Objections

3. Claims 48-50 are objected to under 37 CFR 1.75 because of the following informalities:

Claim 48, "the second lot bit rate" in line 15 should change to --the second low bit rate--.

# Claim Rejections - 35 USC § 112

- 4. The following is a quotation of the second paragraph of 35 U.S.C. 112:
  - The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
- 5. Claims 48-50 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 48, "the synchronization hunting logic" in line 11 is unclear because it is not known which one of the four synchronization hunting logics recited in lines 1-7 the Applicant is referring to. The Examiner assume that the Applicant refers to all of the first and second of low and high synchronization hunting logics. Appropriate correction is required.

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Application/Control Number: 09/835,979

Art Unit: 2661

Claim 49 recites the limitation "the low bit rate signal format" in line 1. There is insufficient antecedent basis for this limitation in the claim.

#### Claim Rejections - 35 USC § 103

- 6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
  - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 7. Claims 1-31 and 35-47 are rejected under 35 U.S.C. 103(a) as being unpatentable over Engdahl et al (5,500,853) in view of Allen et al (4,910,754).

Regarding claims 1-13, Engdahl discloses a machine-readable medium that provide instructions which when executed by a set of processors, cause the set of processors to perform operations comprising receiving a first signal (DS0) and second signal (DS1) and simultaneously sync hunting the first signal with the first subset of the set of per-alignment state machines and the second signal with the second subset of the set of per-alignment state machines; and buffering (280, 284) the first and second set of states from the first and second subset of the set of per-alignment state machine; wherein the first and second signals have different formats (see abstract; Figures 3-4, 6 & 34; and col. 5, lines 26-35). Engdahl does not disclose initializing a first and second subset of a set of per-alignment state machines and updating the state. However, initializing and updating are well known in the art. Allen discloses initializing and updating (change the state) the state machines (see col. 2, lines 28-31 and col. 3, lines 52-55). Therefore, it would have been obvious to a person of ordinary skill in the art at the time the invention was

Application/Control Number: 09/835,979

Art Unit: 2661

made to initialize and update the state machine since these processes are necessary in synchronization.

Claims 14-31, these claims are apparatus claims that have substantially all the limitations of the respective instruction claims 1-13, thus is subject to the same rejection.

Page 4

Claims 35-47, these claims are method claims that have substantially all the limitations of the respective instruction claims 1-13, thus is subject to the same rejection.

### Allowable Subject Matter

- 8. Claims 32-34 are allowed.
- 9. Claims 48-50 would be allowable if rewritten or amended to overcome the rejection(s) under 35 U.S.C. 112, second paragraph, set forth in this Office action.

# Response to Arguments

- 10. Applicant's arguments with respect to claims 1-31 and 35-47 have been considered but are most in view of the new ground(s) of rejection.
- 11. The substitute specification was not attached to the amendment filed 11/25/02.

#### Conclusion

12. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. Chang et al (5,615,237).

13. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian D Nguyen whose telephone number is (703) 305-5133. The examiner can normally be reached on 7:30-6:00 Monday-Thursday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Doug Olms can be reached on (703) 305-4703. The fax phone numbers for the organization where this application or proceeding is assigned are (703) 872-9314 for regular communications and (703) 872-9314 for After Final communications.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 306-0377.

BN Daniel 27

December 27, 2002

Brian Nguyen